

Khuat Quang An (Andy Quang)

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EDUCATION

FPT UNIVERSITY

Hoa Lac, VN

Bachelor of Computer Science

Cumulative GPA: 3.4/4

Relevant Coursework: Data Analysis, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

Companies

CMC Global

June 2024 - Present

Fullstack Engineer

VMO Global

June 2023 - June 2024

Fullstack Engineer

Since Jan 2021

Freelance

Fullstack Engineer

SKILLS

Technical Skills: Typescript, Javascript, HTML/CSS, Golang, Python, GraphQL, Postgres, MongoDB, CI/CD with Github Actions, AWS cloud services, building LLMs powered application with domain knowledge via LangChain.

Frameworks and libraries: Nextjs, React, Angular, React Native, NestJs, ExpressJs, Gin (golang)

Languages: Fluent in English, Vietnamese

Certifications & Training: AWS Certified Solutions Architect Associate 2024 (Udemy), IELTS certificate by British Council.

EXPERIENCE

Fintech app

Jan 2025 – Present

FullStack Engineer

- Contributed to a fintech application with over 200 microservices, and a team of 20 people. Utilizing diverse programming languages and frameworks including Node.js, PHP, React, and Nest.js to enhance modularity and scalability.

- Follow Event driven architecture
- Migrate sms services from Twilio to SMS Global, contribute to architecture design and planning of the migration. Follow serverless framework best practices.
- Integrate and design GraphQL and RESTful APIs to manage real-time workflows and user actions.
- Built backend endpoints using Node.js to handle authentication, loan status logic, and vendor data syncing.
- Leveraged advanced GraphQL features to create efficient and flexible APIs, optimizing data fetching and reducing over-fetching, thus improving application performance and user experience.
- Utilized AWS services such as ECS and SQS to facilitate container orchestration and message queuing, ensuring high availability and reliability of the application.
- Utilize Cloudwatch log insights and Datadog for observability
- Ensured robust code quality, performance, and accessibility through CI/CD pipelines and automated testing workflows .
- Participated in Agile development processes, contributing to sprint planning, code reviews, and retrospectives to continuously improve team productivity and code quality. • Achievements:
 - Enhanced loan application completion rate by streamlining mobile UX and backend validations.
 - Reduced vendor onboarding time by 30% through backend service automation.
 - Contributed to faster release cycles and higher stability via improved CI workflows and backend logging.
- Technologies: **NestJs , Nodejs , React, AWS SQS , Prisma , PostgreSQL, AWS EventBridge, Auth0 ...**

Northstar Jun 2024 – April 2025 Fullstack developer

Improved application performance by applying React and Next.js best practices, including component optimization and efficient data loading strategies.

- Developed and maintained core features of the Northstar web platform, significantly improving user experience and overall functionality.
- Integrated **LangChain** to build a custom **LLM-powered** chatbot with domain-specific knowledge, leveraging tools to design tailored LLM workflows.
- Integrated **bi-directional data syncing** with CRM platforms such as HubSpot and Pipedrive, streamlining data ingestion and outbound workflows, upheld **best coding practices and design patterns** such as strategy pattern and adapter pattern to improve extensibility, maintainability and scalability, reduce code coupling.
- Implemented an advanced drag-and-drop workflow builder using **React Flow**, enabling users to create, connect, and manage nodes seamlessly.
- Designed and built a multi-step, real-time collaborative form for multiplayer interactions using **Liveblocks**, ensuring instant synchronization across users.
- Achievements:
 - Develop features that add values to the company and customer
 - Multiple users reported that the webpage felt more responsive after we pushed new changes .
 - Achieved a **40% reduction** of the webpage's Largest Contentful Paint (LCP) and **50% reduction** First Input Delay(FID) through optimization techniques such as lazy loading and CSS minification.
 - Effectively developed complex features tailored to user workflows, enhancing daily tasks and attracting more customers to the company.
- Notable Technologies: **NextJs, LangChain, ReactFlow, Liveblocks, Neon, PostgreSQL, Prisma, ...**

Waivpay

Jan 2023 – June 2024

Frontend developer

- Developed and maintained core features of the Waivpay mobile app using React Native, including features such as gift card purchases, balance checks, and Apple Wallet integration.
- Enhanced contact list functionality and optimized app performance based on user feedback.
- Connected frontend applications with backend services to enable dynamic content and enhance user engagement.
- Incorporated animations and interactive elements to improve the overall user interface and experience.
- Implemented secure authentication flows and addressed verification code issues on iOS.
- Integrated Firebase for push notifications, analytics, and real-time updates.
- Technologies: **React Native, ReactJS, Firebase, CodePush, SignalR, Apple Wallet integration**

EcoOne

May 2022– April 2023

React Native developer

- Developed key features including the smart home screen, EcoID integration for bill payments, and service booking with voucher support.
- Integrated real-time bus route and schedule updates for Ecobus using Firebase.
- Implemented state management using MobX and Redux Thunk to handle complex UI interactions and async flows.
- Delivered OTA updates via CodePush to ensure quick patching and feature releases.
- Achievements:
 - Successfully launched new features that improved user engagement and in-app service usage.
 - Reduced crash rates and app loading time through performance profiling and bug resolution.
 - Enabled residents to conveniently manage personal data, transportation, and payments within a single mobile interface.
- Technologies: **React Native, MobX, Redux Thunk, Firebase, CodePush**